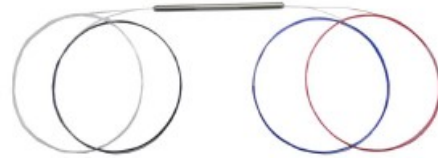


1X2(2X2) Polarization Maintaining Coupler (Fused Standard)

Features

- Low Excess Loss & Low Insertion Loss
- High Extinction Ratio
- High Stability and Reliability
- Available for Slow or Fast Axis Operation



Application

- Monitoring in Coherent Systems
- PM Fiber EDFAs
- Fiber Lasers

Specification

Parameter		Wavelength		780,840±15nm		980,1064±15nm		1310,1480,1550±15nm	
		CR	P	A	P	A	P	A	
IL(dB) @Central wavelength	50/50	≤3.8	≤4.0	≤3.6	≤3.8	≤3.4	≤3.6		
	30/70	≤6.3/2.2	≤6.5/2.4	≤5.75/2.0	≤6.1/2.1	≤5.6/1.95	≤5.75/2.1		
	20/80	≤8.2/1.7	≤8.5/1.9	≤8.0/1.5	≤8.2/1.7	≤7.6/1.4	≤8.0/1.5		
	10/90	≤11.8/1.4	≤12.0/1.6	≤11.6/1.2	≤11.8/1.4	≤11.2/0.85	≤11.6/1.0		
	5/95	≤15.0/1.0	≤15.2/1.2	≤14.8/0.8	≤15.0/1.0	≤14.2/0.6	≤14.8/0.8		
	3/97	≤17.5/0.9	≤17.7/1.0	≤16.57/0.5	≤17.12/0.6	≤16.2/0.4	≤16.7/0.5		
	2/98	≤19.0/0.85	≤19.2/0.95	≤18.4/0.4	≤18.9/0.5	≤18.0/0.35	≤18.5/0.45		
	1/99	≤22.5/0.75	≤22.8/0.85	≤22.0/0.35	≤22.5/0.4	≤21.5/0.3	≤22/0.4		
ER(dB)	0.1/99.9	28~32	/	≤0.6	28~32	/	≤0.3		
	CR>5%	20	18	20	18	20	18		
	5%≥CR>1%	18	16	18	16	18	16		
				Out of concern					

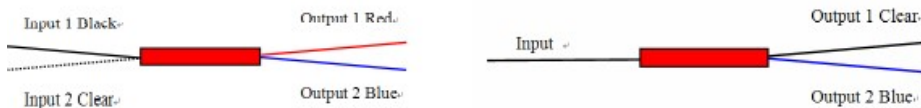
Parameter	Unit	Specification
Return loss	dB	≥50
Directivity	dB	≥50
Power handling	mW	≤500
Operating temperature	℃	-5~75
Storage temperature	℃	-40~85
Fiber type		Panda PM fiber

a). The specifications are without connector. For devices with connectors, IL should be 0.3dB(1310~1550) or 0.5dB(980~1060) or 0.8dB(780~850) higher, ER should be 2dB lower.

b). The specifications are given for slow axis working only, if fast axis or both axis working needed, IL will be 0.3dB higher.

c). For device adding connectors, key aligns to slow axis if no special requirement.

Package Dimensions



Ordering Information

CP	PMC	Grade	Port	Operating Wavelength	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package	Working Axis
		P=P Grade A=A Grade	1x2=1x2 2x2=2x2	1310 1490 1550	50/50 1/99	250=250um 900=900um 2000=2mm 3000=3mm	PM	0.8=0.8m	NE=NO FA=FC/APC FC=FC/UFC SA=SC/APC SC=SC/UFC	3X54 90X14X8.5	S=Slow Axis B=Slow Axis and Fast Axis